BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 39		Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on		17-01-2023									
		Quantity Measured in 1st RA Bill						0.16			
		Present Bill Measurements									
		D	Cum	1	6.40	0.13	0.1	0.08			
							Total Executed Quantity	0.24			
							Tender Quantity	0.16			
							Quantity Upto 125%	0.20			
							Quantity Above 125%	0.04			
							DPQ Quantity Paid in 1st RA Bill	0.16			
							Now to be Paid Quantity				
							Quantity Upto 125%	0.04	99324.01	4370.26	3973
							Quantity Above 125%	0.04	99324.01	3893.50	3973
Item No. 40		Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on											
			Cum								
		Qty Recorded in first and part Bill (Pg No.						0.15			
		Total Executed Quantity						0.15			
		Modified Schedule -B Quantity						0.15			
		DPQ Paid in 1st Bill No.One Pg. No.						0.15			
		Present Bill Quantity						Nil			

C&EC Mundry A.E.E. (Project)

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

A.E.E. (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 41		Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on		21-01-2023									
		Quantity Measured in 1st RA Bill						1.89			
		Present Bill Measurements									
		D	Sqm	1	0.9		2.3	2.07			
							Total Executed Quantity	**3.96**			
							Tender Quantity	**1.89**			
							Quantity Upto 125%	**2.36**			
							Quantity Above 125%	**1.60**			
							DPQ Quantity Paid in 1st RA Bill	**1.89**			
							Now to be Paid Quantity				
							Quantity Upto 125%	**0.47**	**5362.80**	**2533.92**	
							Quantity Above 125%	**1.60**	**5353.73**	**8552.58**	
Item No. 42		Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work. Terrace Floor									
			Sqm								
		Qty Recorded in first and part Bill (Pg No.						1.89			
		Total Executed Quantity						1.89			
		Modified Schedule -B Quantity						1.89			
		DPQ Paid in 1st Bill No.One Pg. No.						1.89			
		Present Bill Quantity						Nil			
Item No. 43		Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and directions of Engineer incharge of work.									
			Sqm								
		Qty Recorded in first and part Bill (Pg No.						3.15			
		Total Executed Quantity						3.15			
		Modified Schedule -B Quantity						3.15			
		DPQ Paid in 1st Bill No.One Pg. No.						3.15			
		Present Bill Quantity						Nil			

C&EC Amendment A.E.E. (P) 20/1/23

2552.50

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 44		Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame.complete as per specifications and directions of Engineer incharge of work.									
			m								
		Qty Recorded in first and part Bill (Pg No.						28.50			
		Total Executed Quantity						28.50			
		Modified Schedule -B Quantity						28.50			
		DPQ Paid in 1st Bill No.One Pg. No.						28.50			
		Present Bill Quantity						Nil			
Item No. 45		Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot.complete as per specifications and directions of Engineer incharge of work.									
			Sqm								
		Qty Recorded in first and part Bill (Pg No.						7.88			
		Total Executed Quantity						7.88			
		Modified Schedule -B Quantity						7.88			
		DPQ Paid in 1st Bill No.One Pg. No.						7.88			
		Present Bill Quantity						Nil			

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 46		Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on		23-01-2023									
		Quantity Measured in 1st RA Bill						6.69			
		Present Bill Measurements									
		D	Sqm	1	0.9		2.3	2.07			
							Total Executed Quantity	8.76			
							Tender Quantity	6.69			
							Quantity Upto 125%	8.36			
							Quantity Above 125%	0.40			
							DPQ Quantity Paid in 1st RA Bill	6.69			
							Now to be Paid Quantity				
							Quantity Upto 125%	1.67	109.98	183.94	
							Quantity Above 125%	0.40	109.98	43.72	
Item No. 47		Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be. with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on		18-01-2023									
		Quantity Measured in 1st RA Bill						35.55			
		Present Bill Measurements									
		Window	Sqm	9	1.2		1.2	12.96			
							Total Executed Quantity	48.51			
							Tender Quantity	44.55			
							Quantity Upto 125%	48.51			
							DPQ Quantity Paid in 1st RA Bill	35.55			
							Now to be Paid Quantity				
							Quantity Upto 125%	12.96	5041.94	65343.54	

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 48		Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on		12-01-2023									
		Quantity Measured in 1st RA Bill						746.55			
		Present Bill Measurements									
		Window	Kg	9			30.24	272.16			
				21kg per sqm 1.2*1.2*21=30.24							
		Above collapsible steel shutters	Kg	2			35.63	71.25			
				21kg per sqm 1.45*1.17*21=35.63							
							Total Executed Quantity	**1089.96**			
							Tender Quantity	**935.55**			
							Quantity Upto 125%	**1089.96**			
							DPQ Quantity Paid in 1st RA Bill	**746.55**			
							Now to be Paid Quantity				
							Quantity Upto 125%	**343.41**	**121.31**	**41659.43**	
Item No. 49		Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directions of Engineer incharge of work.									
Measurement Taken on		19-01-2023									
		Quantity Measured in 1st RA Bill						**71.10**			
		Present Bill Measurements									
		Window	Sqm	9	1.2		1.2	12.96			
		Above collapsible steel shutters	Sqm	2	1.45		1.17	3.39			
							Total Executed Quantity	**87.45**			
							Tender Quantity	**89.10**			
							DPQ Quantity Paid in 1st RA Bill	**71.10**			
							Now to be Paid Quantity	**16.35**	**107.71**	**1761.38**	

Cafe Kamadhu A.E.E. (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 50		Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications and directions of Engineer incharge of work.									
			Sqm								
		Qty Recorded in first and part Bill (Pg No.						17.53			
		Total Executed Quantity						17.53			
		Modified Schedule -B Quantity						17.53			
		DPQ Paid in 1st Bill No.One Pg. No.						17.53			
		Present Bill Quantity						Nil			
Item No. 51		Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other complete as per specifications and directions of Engineer incharge of work.									
			Sqm								
		Qty Recorded in Second and part Bill (Pg No.						12.07			
		Total Executed Quantity						12.07			
		Modified Schedule -B Quantity						12.07			
		DPQ Paid in 2nd Bill No.One Pg. No.						12.07			
		Present Bill Quantity						Nil			
Item No. 52		Providing & Fixing of Mineral Fibre Suspended Ceiling System in the module size of 600x600x19mm with exposed grid. The tiles should have Humidity Resistance(RH) of 99%, Light Reflectance 87%, Thermal conductivity k=0.052-0.057w/m K,NRC-0.7, colour white, Fire Performance UK A2 S1, do with antimicrobial coating on the face of the tile, suitable for zone 4 area according to NF S 90-35:2003 with clean room clss of ISO 5(class 100), Decontamination class of CP10 and Bactoriological cleanlines class B1 for specific strains and reduction in colony size. Washability properties of 500 wash cycles as per ASTM D-4828 and suitable for Green Building application with Recycled content of 37%. The tile shall be laid on 24mm wide T-section flanges colour white having rotary stitching on all t sections i.e. the main runner, 1200mm & 600mm cross tees with web height f 38mm and a load carrying sections should have a galvanizing of 90grmas per sqm and need to be installed with suspension system of approved makecomplete as per specifications and directions of Engineer incharge of work.									
		Item not operated									
Item No. 53		Providing and fixing veneer paneling over the 50mm x 35mm sal wood frame work at spacing not exceeding 600mm c/c fixed to the wall and top covered out of 4mm thick approved veneer fixed over 12mm ply of approved brand ,termite and water resistant,finished with mealamme polish, complete including cost and conveyance of all materials, labour for all items of work HOM of equipment etc., complete as per specifications and directions of Engineer incharge of work.									
		Item not operated									

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A.E.E. (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From / To / Item No.	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 54	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete as per specifications and directions of Engineer incharge of work.									
	Item not operated									
Item No. 55	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete as per specifications and directions of Engineer incharge of work. First Floor									
	Item not operated									
Item No. 56	Providing and fixing of Aluminium composite panel of approved make and colour for wall cladding for straight Brick/Rcc/stone walls & coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel should consist of 2.5 mm thermoplastic core of antitoxic LDPE sandwiched between 0.25 skins thick aluminium sheet making a total panel thickness of 3mm. The surfaces will be finished with PVDF based coating on topsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleats and stainless steel bolts and nuts complete with spring washer and cap nuts and all other necessary accessories, sealing shall be done using weather sealant of Dow Corning 789 with necessary rods etc., complete as per specifications and directions of Engineer incharge of work. Second Floor									
	Item not operated									
Item No. 57	Providing, fabricating and fixing of stick type structural glazing using Alluminium Extrusions of 63.5 mm x 58.00 mmx 2.25 mm of 1.73 kgs/ mtr for vertical and Horizontal members and 63.5 mm x 38.1 x 1.33 mm of 0.759 kg/Mtr, as outer frame with Electro Anodized Paint coated block finishing, using 6mm thick imported glass reflective hard coatedocean blue raw glass with all necessary accesories like ultra glass Silicon sealant of Space tape, Masking tape, Galvanized Anchaor bolt, machine screws, 6mm thick M.S. angle 50mm x 150mm x 6mm M.S. Galvanized L Brackets, structural sealent setting clocks, fasteners, wall connection etc., complete as per specifications and directions of Engineer incharge of work.									
	Item not operated									
Item No. 58	Providing, fabricating and fixing of stick type structural glazing using Alluminium Extrusions of 63.5 mm x 58.00 mmx 2.25 mm of 1.73 kgs/ mtr for vertical and Horizontal members and 63.5 mm x 38.1 x 1.33 mm of 0.759 kg/Mtr, as outer frame with Electro Anodized Paint coated block finishing, using 6mm thick imported glass reflective hard coatedocean blue raw glass with all necessary accesories like ultra glass Silicon sealant of Space tape, Masking tape, Galvanized Anchaor bolt, machine screws, 6mm thick M.S. angle 50mm x 150mm x 6mm M.S. Galvanized L Brackets, structural sealent setting clocks, fasteners, wall connection etc., complete as per specifications and directions of Engineer incharge of work. First Floor									
	Item not operated									

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC. IN WARD NO.85, BYATARAYANAPURA

MEASUREMENT BOOK

Third & Final Bill

Client: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Client / Package in rs	Description of Item	Unit	No	Length (m)	Breadth (m)	Height (m)	Quantity	Rate Rs	Amount Rs	Remarks
Tender No. 59	Providing, fabricating and fixing of stick type structural glazing using Aluminium Extrusions of 63.5 mm x 50.00 mm x 2.25 mm thick M.S. angle 50mm x 150mm x 6mm M.S. Galvanized L Brackets, structural sealent setting cleats, fasteners, wall connection etc., complete as per specifications and directions of Engineer incharge of work. Second Floor									
	Item not operated									
E1	Pg No 43.Item No 7.29 Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored to RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification									
		kg								
	Qty Recorded in first and part Bill (Pg No.						157.19			
	Total Executed Quantity						157.19			
	Modified Schedule -B Quantity						157.19			
	DPQ Paid in 1st Bill No.One Pg. No.						157.19			
	Present Bill Quantity						Nil			
E2	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.Pg No.299 Item No.38.30									
		Sqm								
	Qty Recorded in first and part Bill (Pg No.						37.63			
	Total Executed Quantity						37.63			
	Modified Schedule -B Quantity						37.63			
	DPQ Paid in 1st Bill No.One Pg. No.						37.63			
	Present Bill Quantity						Nil			

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ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
A.E.E. (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
E3		Fabricating, providing and erecting in position of MS. Hot dip galvanized Sq Hallow Poles of 132*132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12*65mm galvanized flat for alround frame and 20mm*20mm galvanized forged design with square for vertical at 150mm C/C as shown in the drawing including providing forged omamenttal arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placiing welding all the joints, including grinding, finishing 2 coats of anti corrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS Hallow galvanized pipe, flat, forged square rods, coat of labour for all items of work cost painting, welding, Cutting, grinding with all lead and lift as per specification including loading with cost and conveyance of all materials, labour machinery and incidental charges for the successful complete of the work as per the direction Engineer-in-charge of the work.									
Measurement Taken on		26-11-2022									
		Quantity Measured in 2nd RA Bill						45.21			
		Present Bill Measurements									
			Sqm		1	2.52		1.90	4.78		
			Sqm		1	3.49		1.88	6.55		
			Sqm		1	3.48		1.90	6.61		
			Sqm		1	3.49		1.90	6.62		
			Sqm		1	3.43		1.90	6.52		
			Sqm		1	3.80		1.90	7.22		
			Sqm		1	3.25		1.90	6.18		
			Sqm		1	2.05		1.90	3.90		
			Sqm		1	1.50		1.90	2.85		
								Total Executed Quantity	96.43		
								DPQ Quantity Paid in 2nd RA Bill	45.21		
								Now to be Paid Quantity	51.22	16408.37	840450.04
E4		Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including cost of materials ,labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.									
			Sqm								
		Qty Recorded in Second and part Bill (Pg No.						6.09			
		Total Executed Quantity						6.09			
		Modified Schedule -B Quantity						6.09			
		DPQ Paid in 2nd Bill No.One Pg. No.						6.09			
		Present Bill Quantity						Nil			
E5		Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In all kinds of soils Depth upto 3 m as per the direction of Engineer-In-Charge									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 1						24.16			
								Total Executed Quantity	24.16		
								DPQ Quantity Paid in 2nd RA Bill	11.45		
								Now to be Paid Quantity	12.71	84.30	1071.08

CONTRACTOR

ASSISTANT ENGINEER 26/11/22

ASSISTANT EXECUTIVE ENGINEER

A.E.E. (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.05, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Client: Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
	E6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 2									
		Total Executed Quantity						4.83			
		DPQ Quantity Paid in 2nd RA Bill						2.29			
		Now to be Paid Quantity						2.54	6614.58	16808.64	
	E7	Providing and laying in position Reinforced cement concrete for all Sub tructures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite /trap /basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates									
Measurement Taken on		10-01-2023									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 3						6.19			
		Concrete around building									
		Front Portion	Cum	1	15.0	4.6	0.15	10.35			
			Cum	1	9.6	3.83	0.15	5.51			
		Right Side of Building	Cum	1	33.5		0.15	5.03			
					Triangle Portion area=33.5						
			Cum	1	18.2		0.15	2.73			
					Triangle Portion area=18.2						
		Left Side of Building	Cum	1	8.5	3.8	0.15	4.85			
			Cum	1	9.1	2.44	0.15	3.33			
		Building Back side	Cum	1	15.0	1.4	0.15	3.15			
			Cum	1	9.4	0.9	0.15	1.27			
		Near Drain	Cum	1	11.5	0.4	0.15	0.69			
		Total Executed Quantity						43.09			
		DPQ Quantity Paid in 2nd RA Bill						2.97			
		Now to be Paid Quantity						40.12	6790.11	272392.93	

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10/1/23
ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
A.E.E. (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- CONSTRUCTION OF WARD OFFICE ADDITIONAL WORK, FURNITURE ETC IN WARD NO.95, BYATARAYANAPURA

MEASUREMENT SHEET

Third & Final Bill

Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064

Client / Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
	E8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)									
Measurement Taken on		19-11-2022									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 4									
		Above Ground Level						19.32			
			Cum	1	19.135	0.48	0.60	5.51			
			Cum	1	6.7	0.5	0.50	1.68			
			Cum	1	2.4	0.5	0.45	0.54			
		Deduction									
		Concrete For Poles	Cum	-7	0.45	0.48	0.45	-0.68			
							Total Executed Quantity	26.37			
							DPQ Quantity Paid in 2nd RA Bill	9.16			
							Now to be Paid Quantity	17.21	6180.38	106364.88	
	E9	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/ Kankar /Moorum. (Tipper 5.5 m3)									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 5									
							Total Executed Quantity	24.16			
							DPQ Quantity Paid in 2nd RA Bill	11.45			
							Now to be Paid Quantity	12.71	136.26	1731.34	
	E10	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km									
			t.km								
		Vide Total executed Quantity from premeasuremet Page no. 6						30.92			
							Total Executed Quantity	30.92			
							DPQ Quantity Paid in 2nd RA Bill	14.66			
							Now to be Paid Quantity	16.26	110.86	1802.94	
								Total Amount		1398627.52	
								18% GST		251752.95	
								Grand Total Amount		1650380.47	

Cafe 19/11/22

A.E.E. (Project)

1398274.00
251689.00
1649963.00
1649000.00

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ASSISTANT EXECUTIVE ENGINEER 10/04/23

A.E.E. (Project)

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